

10/519 734

PCT/EP 03/06817

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 A61K38/12 A61P31/12 C07K7/06		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61K C07K		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) WPI Data, EPO-Internal, PAJ, BIOSIS, MEDLINE, EMBASE, CHEM ABS Data, SCISEARCH, PHARMAPROJECTS		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 196 33 684 A (KAMP ROZA MARIA PROF DR ;PAULI GEORG PROF DR (DE); VATER JOACHIM P) 19 February 1998 (1998-02-19) *cf. abstract, page 3, lines 47-62, lines 3-6 and examples 1/2 on page 4*	1-27
X	ITOKAWA H ET AL: "STRUCTURAL AND CONFORMATIONAL STUDIES OF UILE7 AND ULEU7 SURFACTINS FROM BACILLUS SUBTILIS NATTO" CHEMICAL AND PHARMACEUTICAL BULLETIN, PHARMACEUTICAL SOCIETY OF JAPAN. TOKYO, JP, vol. 42, no. 3, 1 March 1994 (1994-03-01), pages 604-607, XP002049160 ISSN: 0009-2363 *cf. abstract, col. 1 on page 604, fig 1 on page 605, table IV on page 607 and 2nd para. of col.1 on page 607*	1-27
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
<b>* Special categories of cited documents :</b> "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
Date of the actual completion of the international search 15 October 2003		Date of mailing of the international search report 31/10/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Stoltner, A

## INTERNATIONAL SEARCH REPORT

International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 00 29426 A (JIMENEZ DESMOND R ;AGRAQUEST INC (US); MCCOY RANDY J (US); HEINS S) 25 May 2000 (2000-05-25) *cf. abstract, page 6, table 1, example 1 on pages 13/14* ---	1-27
Y	VOLLENBROICH D ET AL: "ANTIMYCOPLASMA PROPERTIES AND APPLICATION IN CELL CULTURE OF SURFACTIN, A LIPOPEPTIDE ANTIBIOTIC FROM BACILLUS SUBTILIS" APPLIED AND ENVIRONMENTAL MICROBIOLOGY, WASHINGTON,DC, US, vol. 63, no. 1, January 1997 (1997-01), pages 44-49, XP001120287 ISSN: 0099-2240 *cf. abstract, page 44, left col., and right-sided col., 2nd para.* ---	1-27
Y	M. KRACHT ET AL.: "Antiviral and Hemolytic Activities of Surfactin Isoforms and Their Methyl Ester Derivatives" THE JOURNAL OF ANTIBIOTICS, vol. 52, no. 7, July 1999 (1999-07), pages 613-619, XP009018642 *cf. abstract, introductory part on page 613 and page 618, left-sided col., 1st para.* -----	1-27

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Information on patent family members

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